ABSTRACT AND BIOGRAPHY

Process Institutionalization – Made Easy!

One of the big ideas behind popular process initiatives such as CMMI, Six Sigma, ISO, IEEE and so on is that of Process Institutionalization (PI). This is where everyone within an organization is fundamentally and reliably following the same processes to get their work done. Furthermore, these processes are based on established and well understood best practices, thereby giving a higher probability of project success. The notion being that if everyone is following the same (best) page, we'll all be better off for it with regard to schedule, quality and budget. Of course this seems very common sensical and somewhat obvious as a good thing to do.

A big problem is that historically it's been extraordinarily difficult to achieve PI due to many factors including: budget, time, effort required, cultural resistance to change, and philosophical disbelief. And while the Process Wars are still being waged with a good amount of energy on both sides of the equation, it's fairly clear that the Process-Centric approach will ultimately prevail and achievement of PI will be desired by all.

This presentation will dissect a NASA Space and Life Sciences (SLSD) software project that was very successful in achieving its mission as well as producing the byproduct of Process Institutionalization throughout the Directorate and beyond. This occurred at a fraction of the cost and effort usually required.

Stewart Bush
Director – Process Technology
Tietronix

Mr. Bush has 29 years experience in the software industry with focus on software development, management, process and practices, and new technology serving the software development community. At Tietronix he is the PM for Mission Operations Directorate projects involved in software process automation to assist compliance with NPR 7150.2 mandated projects. His previous experience includes:

- Lincoln Labs/MIT, Harris Corp. – Software Engineer
- E-Systems & Texas Instruments (both now Raytheon) DOD Projects – Software Manager
- Atherton Technology & Talarian (now Tibco) Tools for DOD/NASA Projects – Technical & Business Management
- ObjectSpace, Segue Software (now Borland) Software Tools – Executive Technical and Business Management
- The Mind Electric (now webMethods) – Web Services Framework – Cofounder, COO